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NOTICE OF ALLOWANCE AND FEE(S) DUE

86421

7590

09/01/2010

Patent Capital Group - Cisco 6119 McCommas Dallas, TX 75214 EXAMINER

PATEL, CHANDRAHAS B

ART UNIT PAPER NUMBER

2464 DATE MAILED: 09/01/2010

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/698,807 10/31/2003 Aravind Sitaraman CISCO-7639(032590-219) 2447

TITLE OF INVENTION: METHOD AND APPARATUS FOR CREATING BUNDLE OF SOFT PERMANENT VIRTUAL CIRCUITS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$0 | \$0 | \$1510 | 12/01/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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| | ENCE ADDRESS (Note: Use Bl | ock 1 for any change of address) | Fee(| c) Transmittal This co | rtificate cannot be used f | r domestic mailings of the or any other accompanying nt or formal drawing, must |
| 86421 | 7590 09/01 | /2010 | nave | | ate of Mailing or Trans | |
| Patent Capital Group - Cisco 6119 McCommas Dallas, TX 75214 | | | I her State addr trans | eby certify that this F | ee(s) Transmittal is being | g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below. |
| | | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | AT | TORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/698,807 | 10/31/2003 | • | Aravind Sitaraman | CIS | CISCO-7639(032590-219) 2447 | |
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| nonprovisional | NO | \$1510 | \$O | \$0 | \$1510 | 12/01/2010 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | |
| PATEL, CHA | NDRAHAS B | 2464 | 370-398000 | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON PLEASE NOTE: Unless an assignee is identified below, no assigner recordation as set forth in 37 CFR 3.11. Completion of this form is NO (A) NAME OF ASSIGNEE | | | e data will appear on the patent. If an assignee is identified below, the document has been filed for | | | |
| Please check the appropr | iate assignee category or | categories (will not be pr | rinted on the patent): \Box | Individual 🖵 Corpo | ration or other private gro | oup entity 🗖 Government |
| 4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies | | | b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | |
| ** | s SMALL ENTITY statu | ıs. See 37 CFR 1.27. | ☐ b. Applicant is no long | | | |
| NOTE: The Issue Fee an interest as shown by the i | d Publication Fee (if requeecords of the United Sta | uired) will not be accepted tes Patent and Trademark | d from anyone other than the Office. | ne applicant; a register | ed attorney or agent; or th | e assignee or other party in |
| Authorized Signature | | | | Date | | |
| Typed or printed name | | | Registration No. | | | |
| This collection of inform an application. Confident submitting the completed this form and/or suggesti | nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this burging 22313-1450. De | CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the | on is required to obtain or re 1.14. This collection is esti- depending upon the indiv- e Chief Information Office COMPLETED FORMS TO | etain a benefit by the p imated to take 12 minu idual case. Any comm r, U.S. Patent and Trac D. THIS ADDRESS SE | ublic which is to file (and ttes to complete, including ents on the amount of tite demark Office, U.S. Depo | by the USPTO to process) g gathering, preparing, and ne you require to complete artment of Commerce, P.O. for Patents P.O. Box 1450. |

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| 86421 75 | 86421 7590 09/01/2010 | | EXAMINER | | |
| Patent Capital Group - Cisco | | | PATEL, CHANDRAHAS B | | |
| 6119 McCommas | | | ART UNIT | PAPER NUMBER | |
| Dallas, TX 75214 | | | 2464 | | |
| | | | DATE MAILED: 09/01/2010 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 794 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 794 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | _ |
|--|---|---|---|
| | 10/698,807 | SITARAMAN ET AL. | |
| Notice of Allowability | Examiner | Art Unit | _ |
| | Chandrahas Patel | 2464 | |
| | Chandranas Pater | 2404 | _ |
| The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31 | S (OR REMAINS) CLOSED ir) or other appropriate commu RIGHTS. This application is s | this application. If not included unication will be mailed in due course. THIS | è |
| 1. This communication is responsive to 6/16/2010. | | | |
| 2. \boxtimes The allowed claim(s) is/are $\underline{1-8,11-16,18-24,26-32,34-40,40}$ | 42-47,49,50,52-56,58,59 and | <u>61</u> . | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority of a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have | e been received. | | |
| Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have | • • | | |
| International Bureau (PCT Rule 17.2(a)). | ocuments have been received | a in this hational stage application from the | |
| * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | a reply complying with the requirements | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be submiNFORMAL PATENT APPLICATION (PTO-152) which give | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mu | ist be submitted. | | |
| (a) ☐ including changes required by the Notice of Draftsper | son's Patent Drawing Review | v (PTO-948) attached | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | _• | | |
| (b) ☐ including changes required by the attached Examiner Paper No./Mail Date | 's Amendment / Comment or | in the Office action of | |
| Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in | | | |
| 6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT | | | |
| | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5 ☐ Notice of In | formal Patent Application | |
| 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) | | ummary (PTO-413), | |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No./ | Mail Date Amendment/Comment | |
| Paper No./Mail Date | | | |
| 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | | Statement of Reasons for Allowance | |
| IChandushaa Datali | 9. | _• | _ |
| /Chandrahas Patel/ Examiner, Art Unit 2464 | | | |
| | | | |

DETAILED ACTION

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Frame on 8/26/2010.

The application has been amended as follows:

In claims 53-56, 58, 59 and 61, on line 1: insert --non-transitory-- before "program storage device".

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 11, 19, 27, 35, 44, 49, 53 and 58, prior art fails to teach in combination associating each of the member SPVCs with a respective Internet Protocol (IP) precedence level, and wherein a first precedence level is used for an unspecified bit rate (UBR), a second precedence level is used for video data, and a third precedence level is used for voice data, the precedence levels being used in bumping rules for the IP packets such that the QoS parameter is maintained as the IP packets propagate from the source end to the destination end, wherein the transmitting includes signaling the SPVC setup message containing the SPVC bundle information using the Generic Application Transport information element (GAT IE).

This taken in combination with other limitations of the claims and dependent claims is considered novel and non-obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandrahas Patel whose telephone number is (571)270-1211. The examiner can normally be reached on Monday through Thursday 7:30 to 17:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/698,807 Page 4

Art Unit: 2464

Supervisory Patent Examiner, Art Unit 2464

/Chandrahas Patel/ Examiner, Art Unit 2464